

IMPROVED REDUCING MACHINE
 ROTOR ASSEMBLY, etc.
 Gary M. Bardos
 5181.5045.002

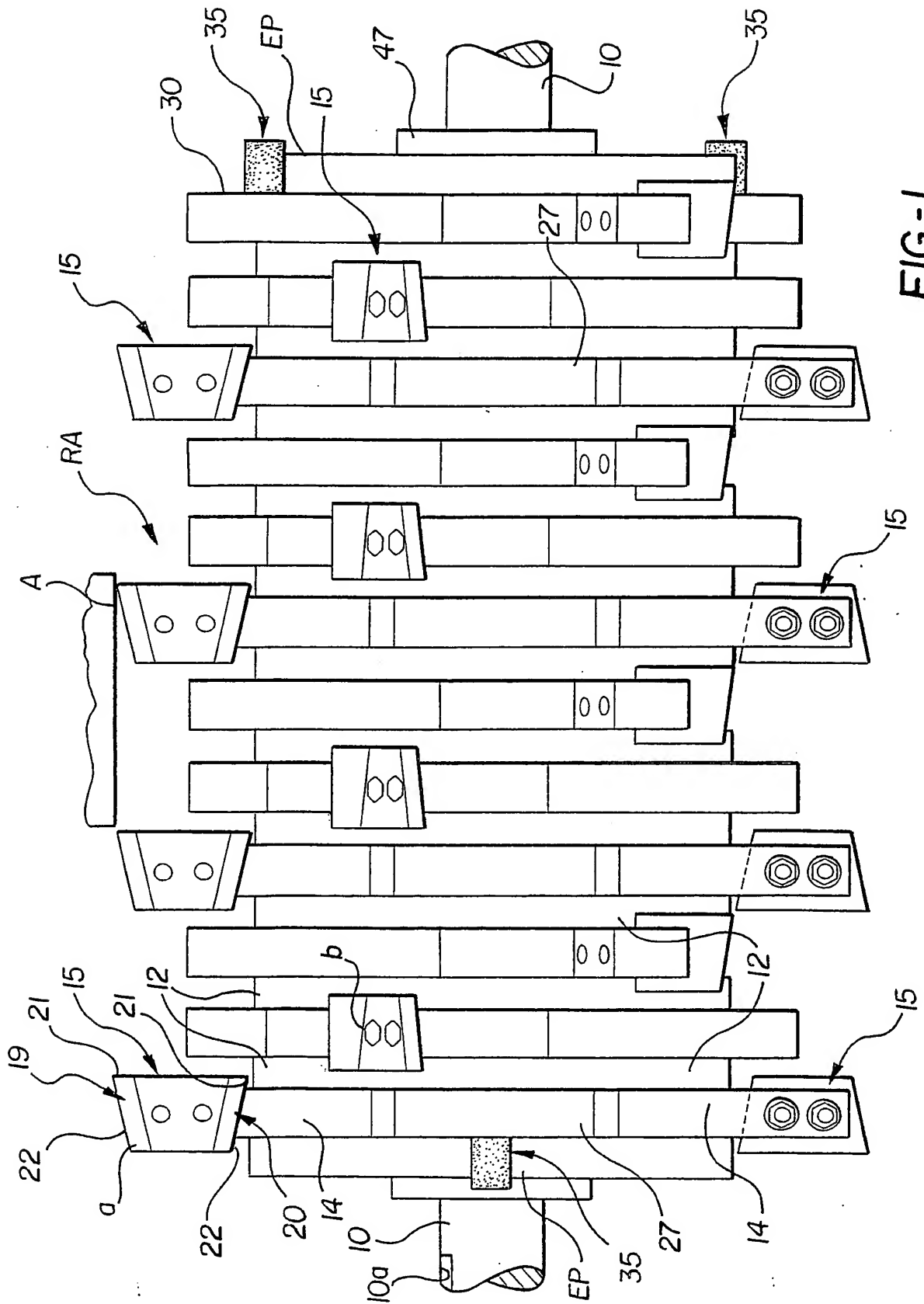
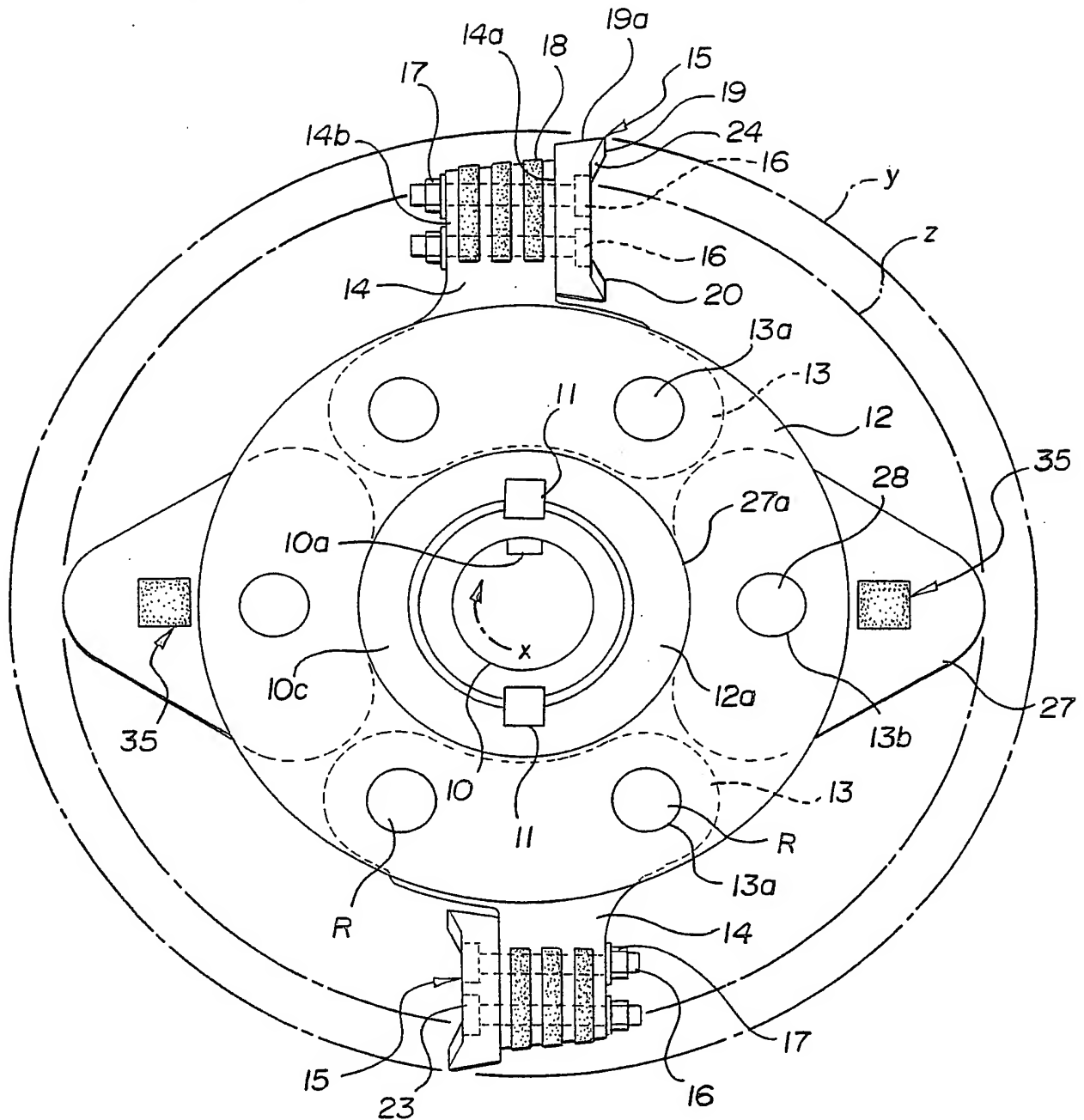


FIG-1

FIG-2

FIG-3



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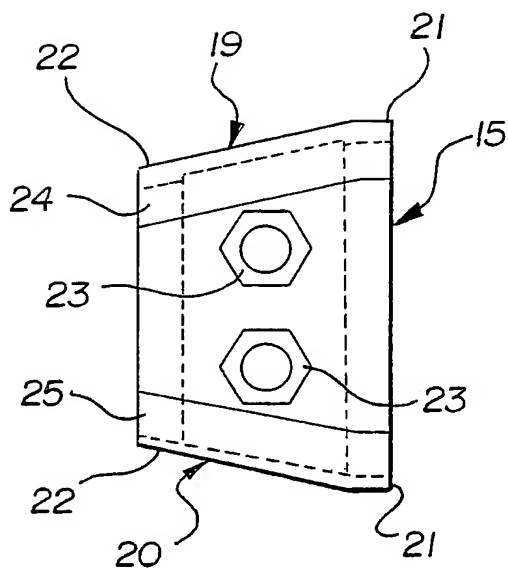


FIG-4

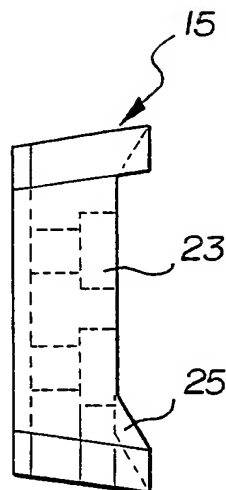


FIG-5

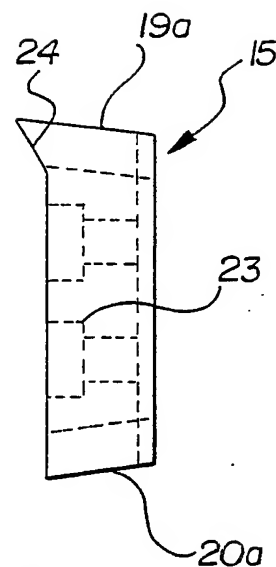


FIG-6

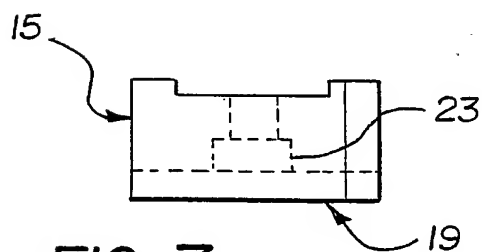


FIG-7

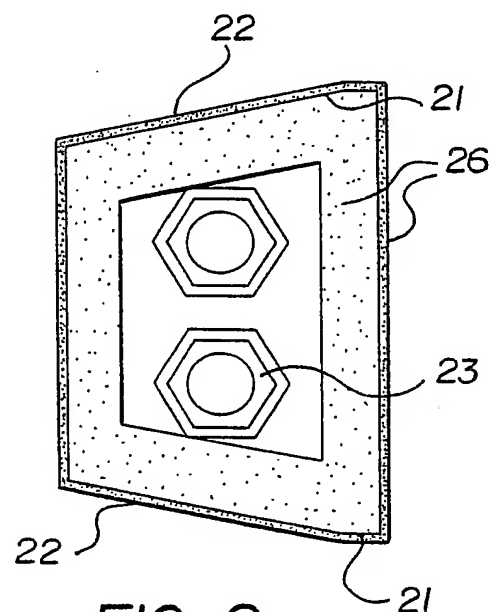


FIG-8

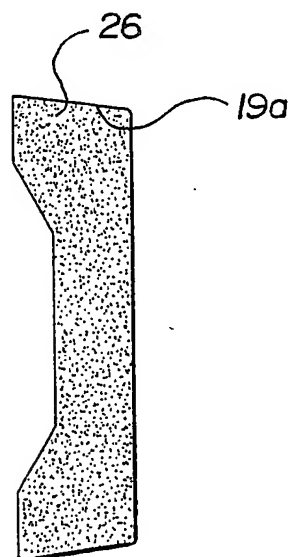


FIG-9

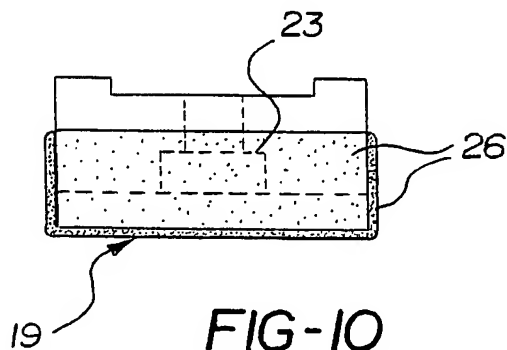
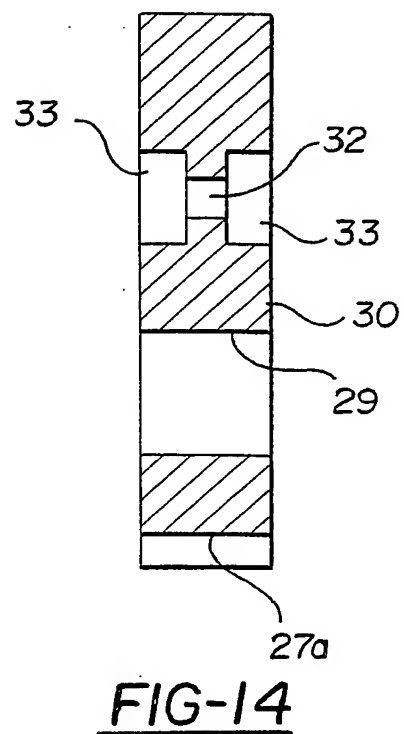
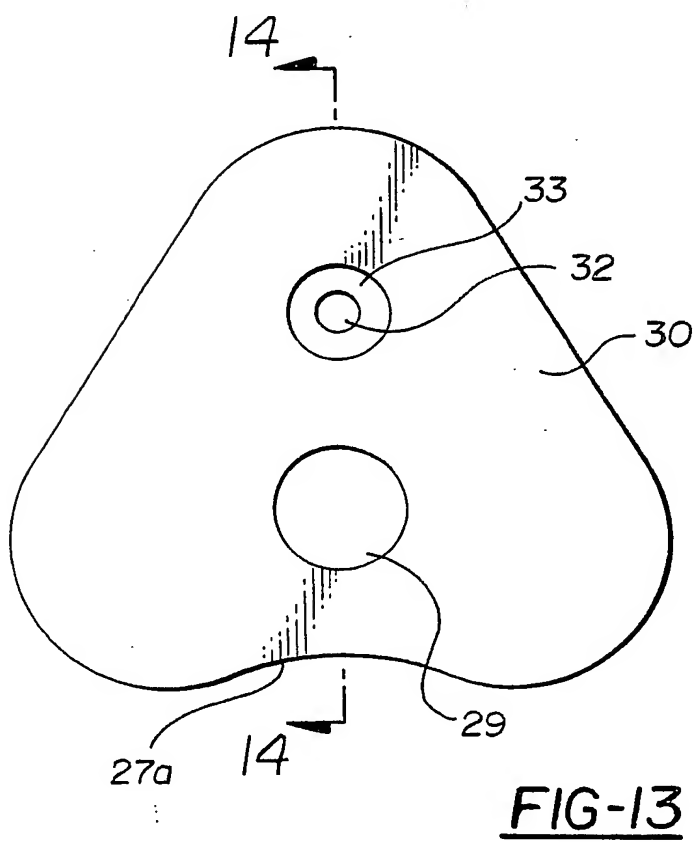
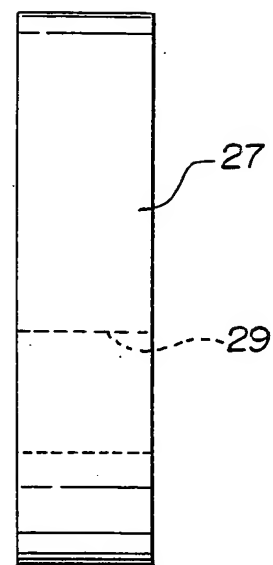
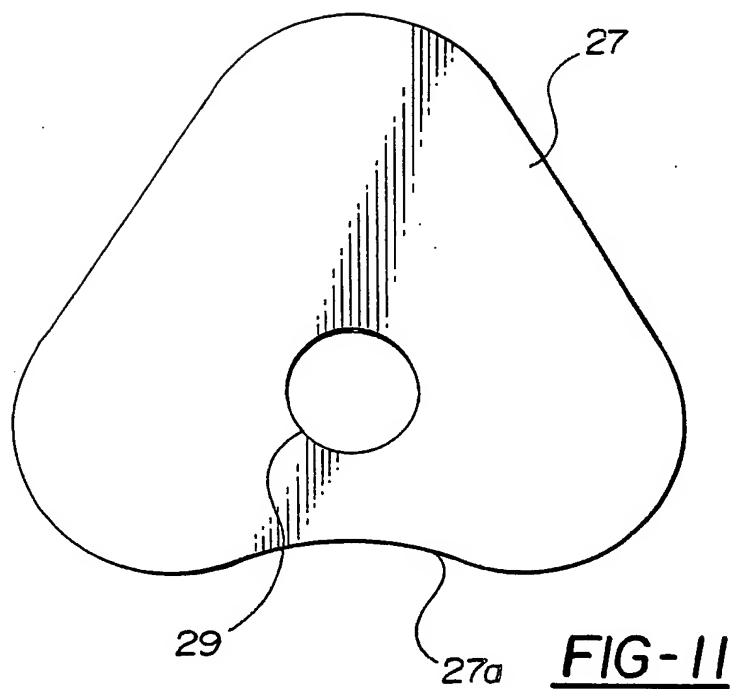


FIG-10



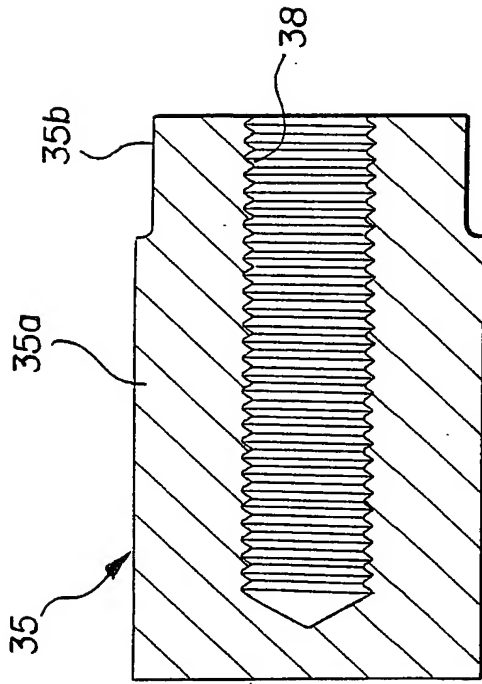


FIG-15

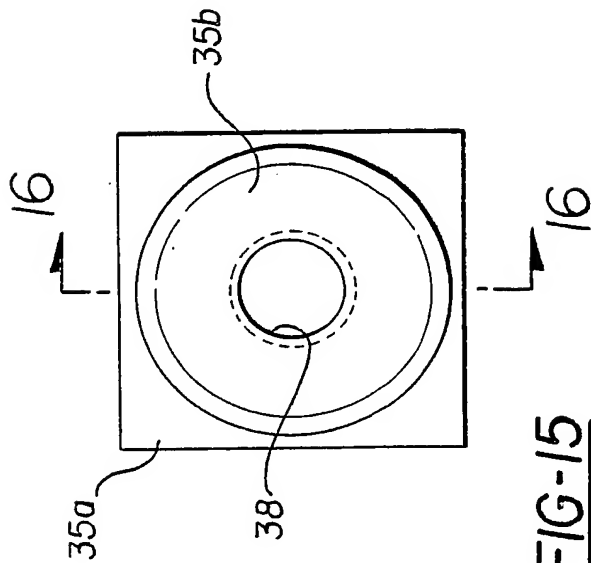


FIG-16

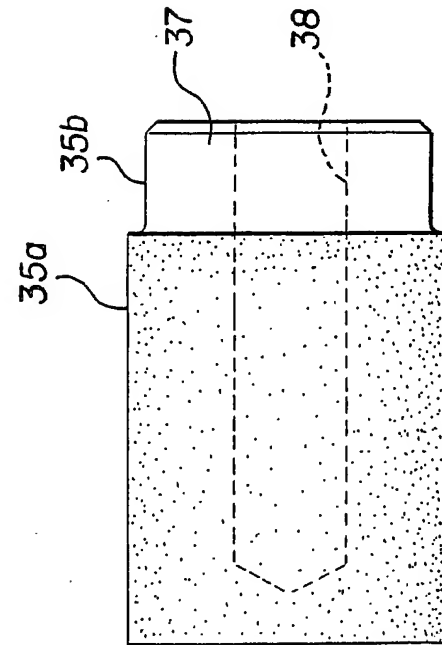


FIG-17

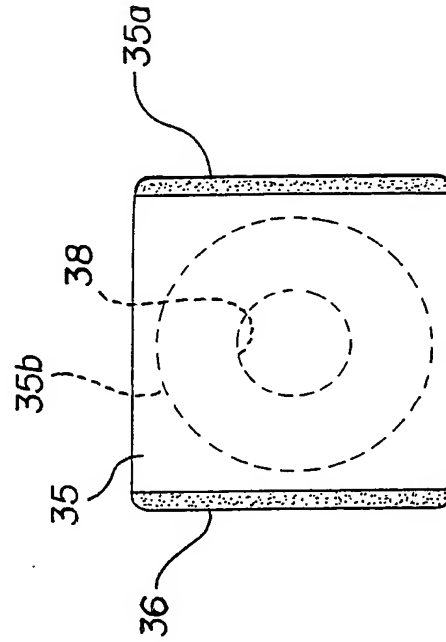


FIG-18

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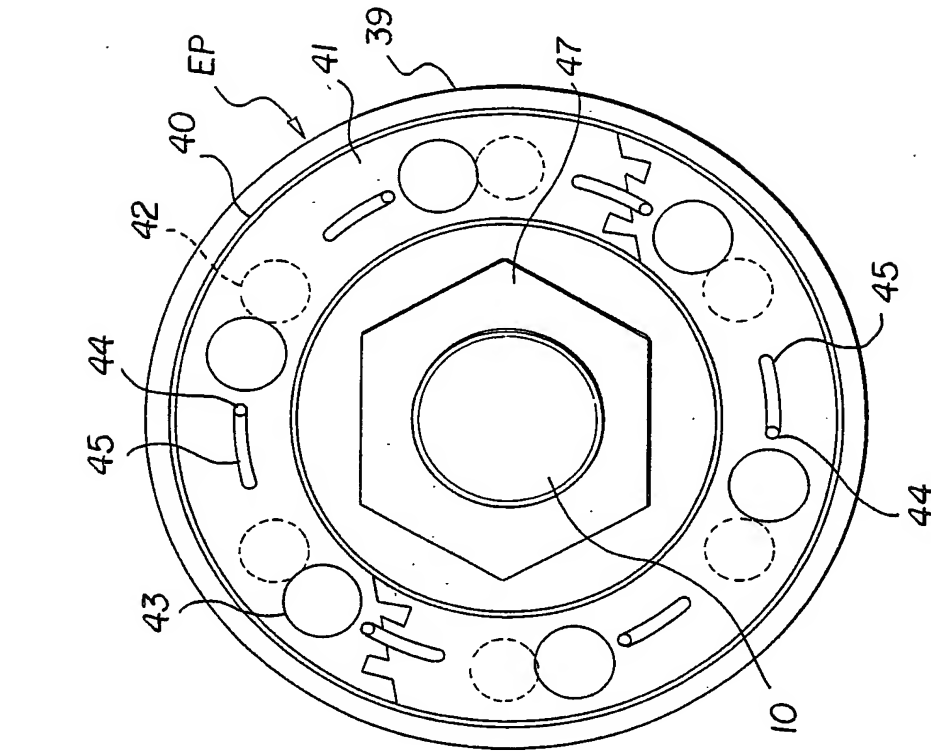


FIG-20

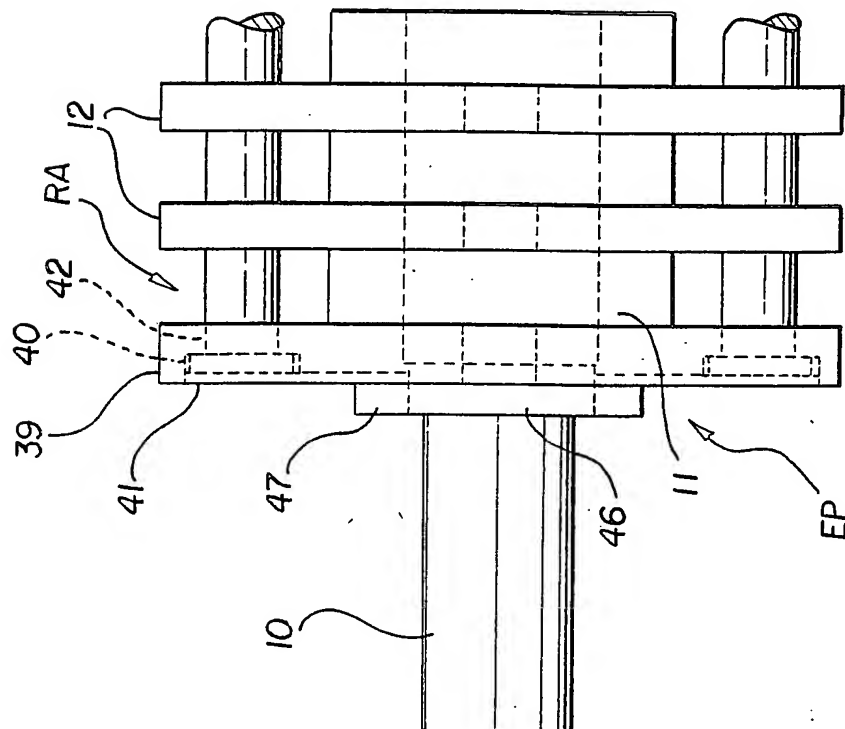


FIG-19

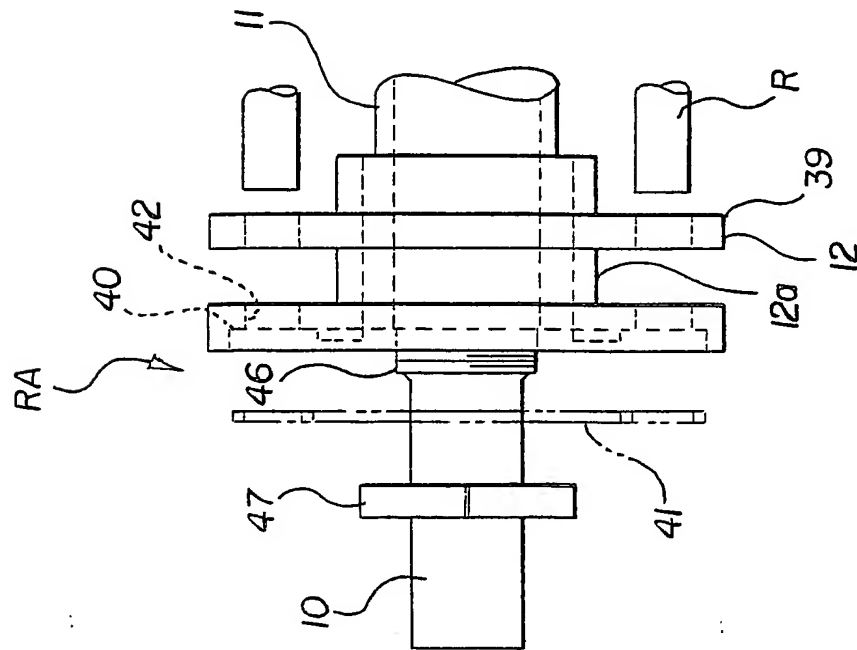


FIG-21

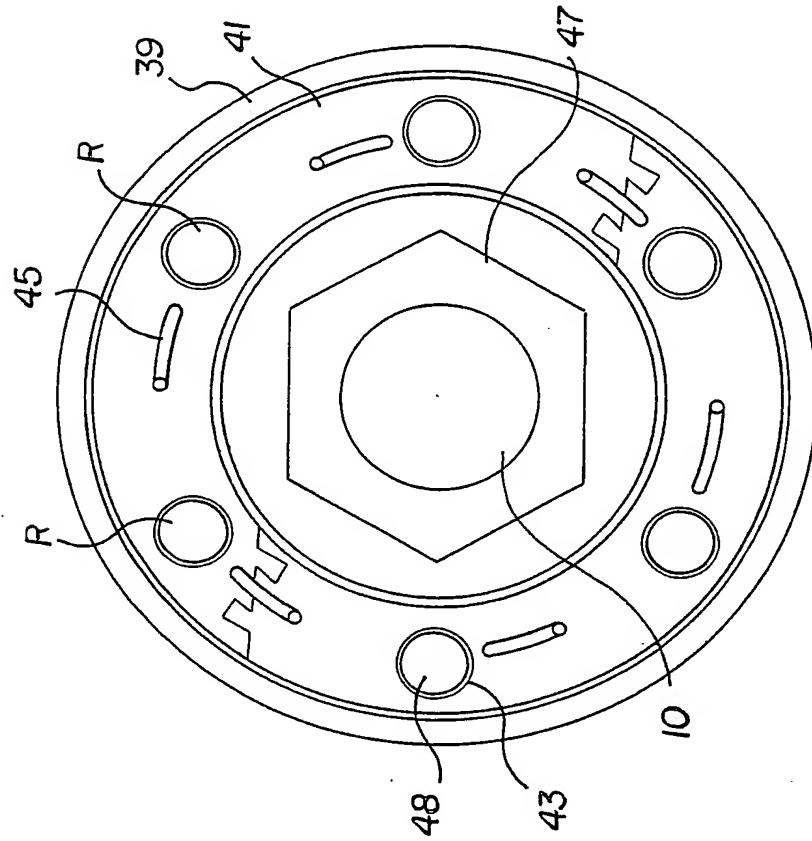
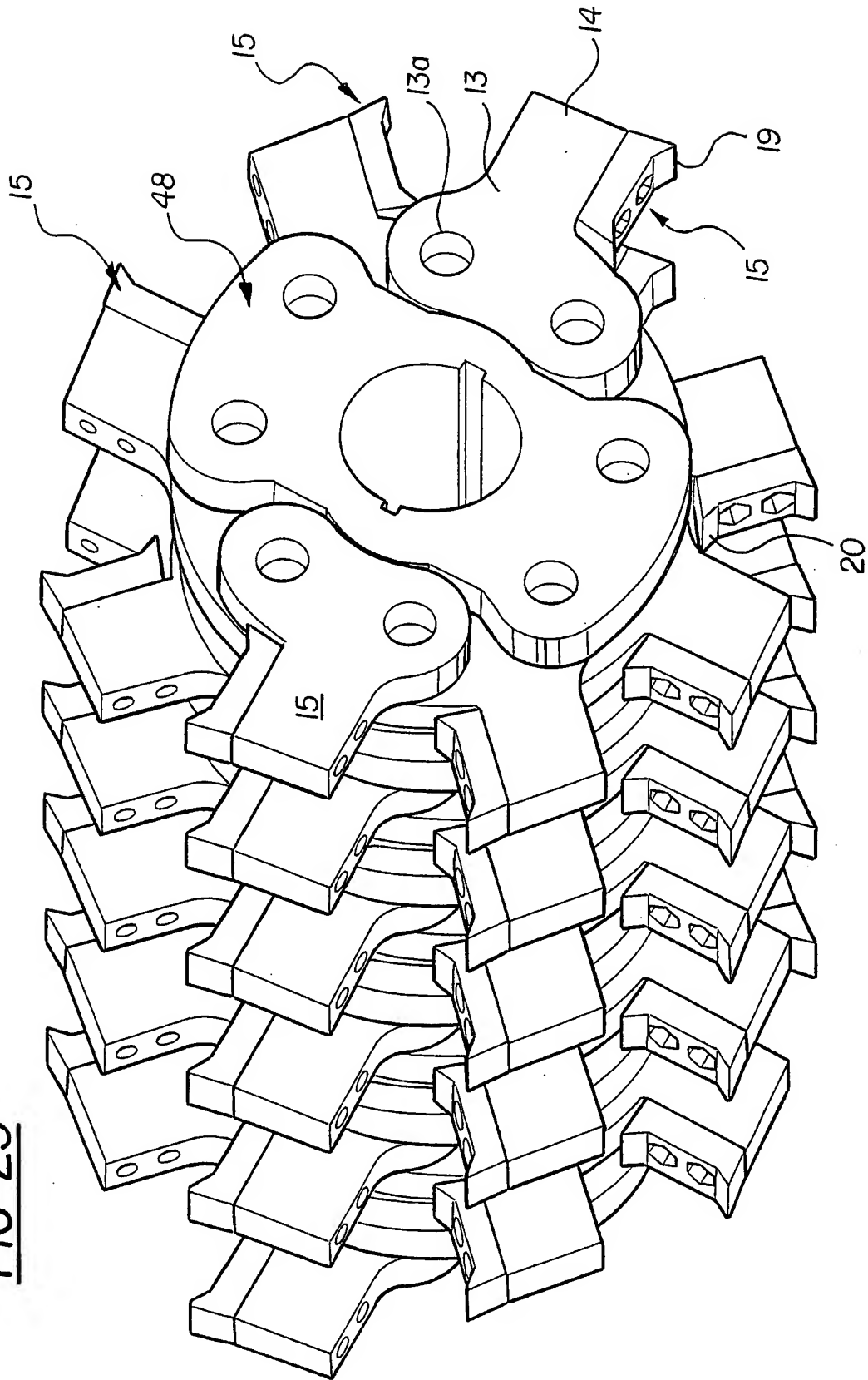


FIG-22

FIG-23



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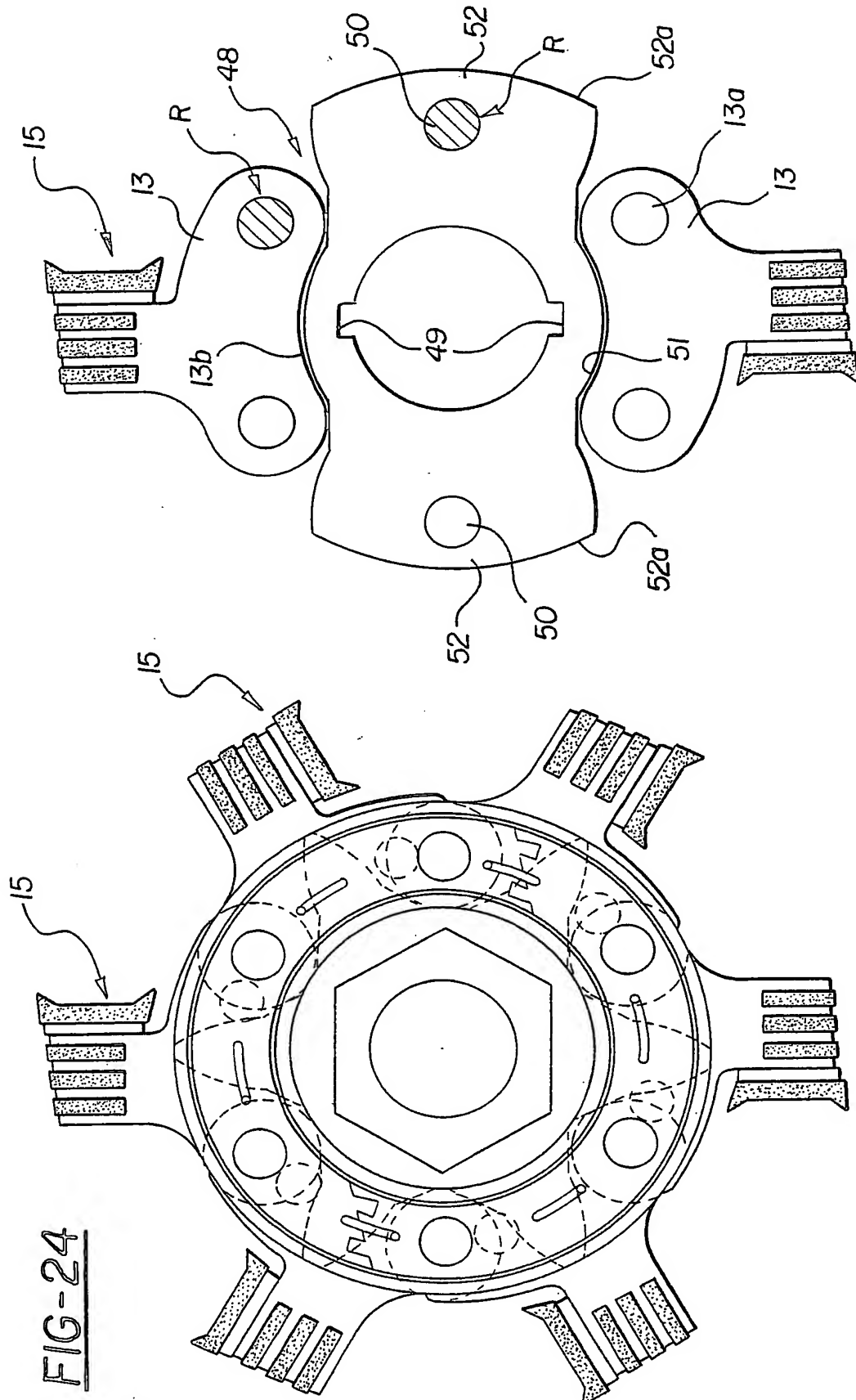


FIG-26

FIG-24

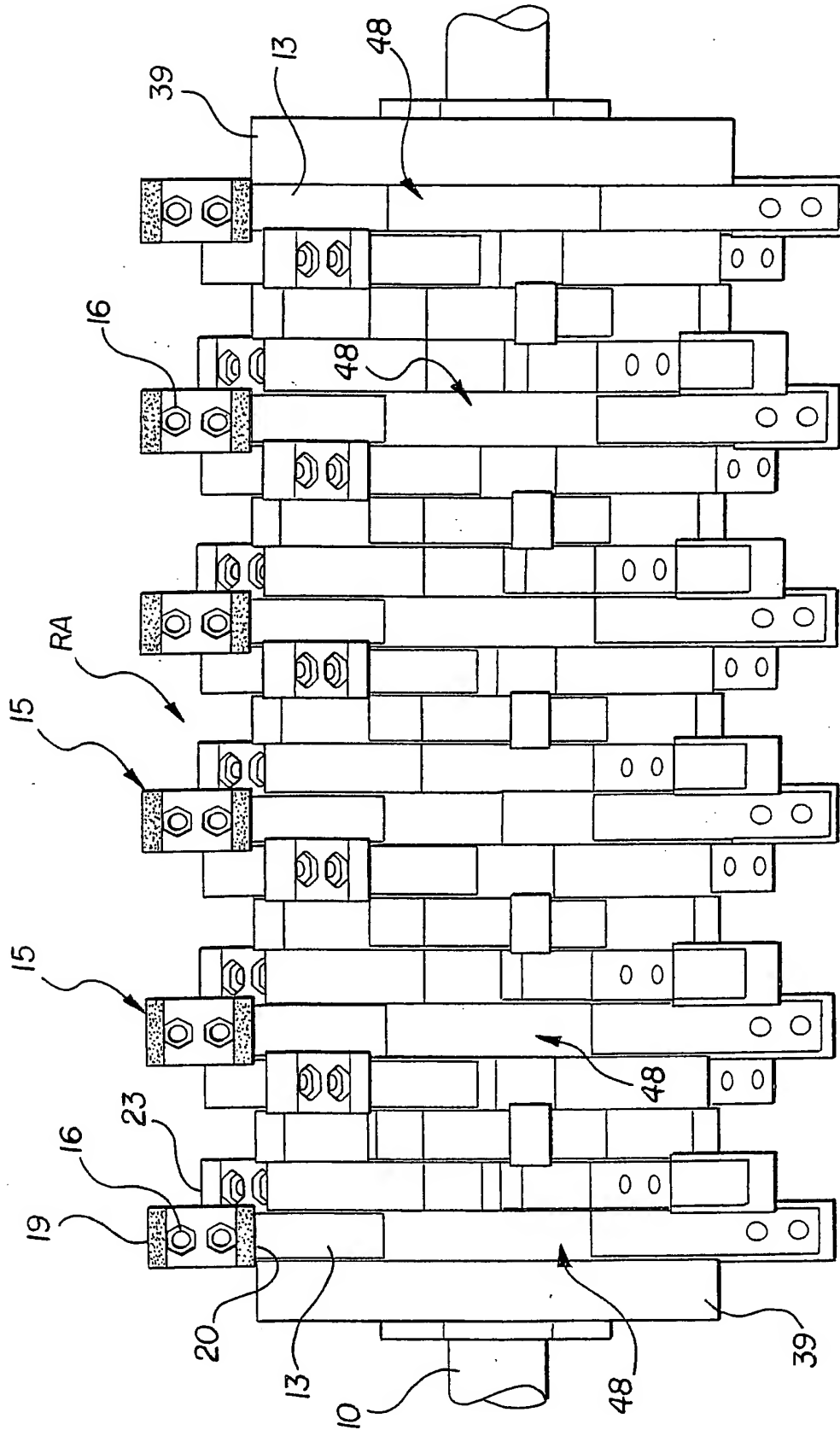


FIG-25

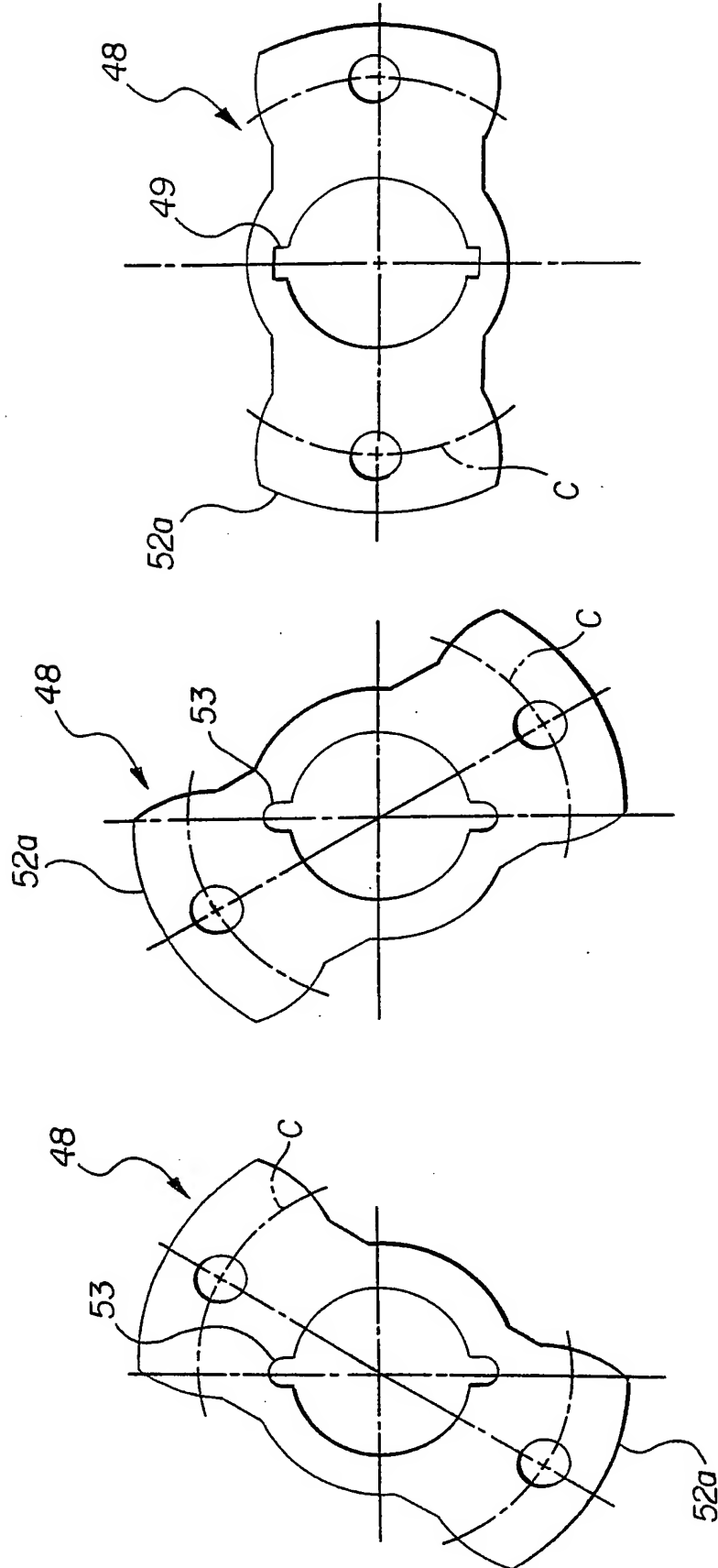


FIG-27

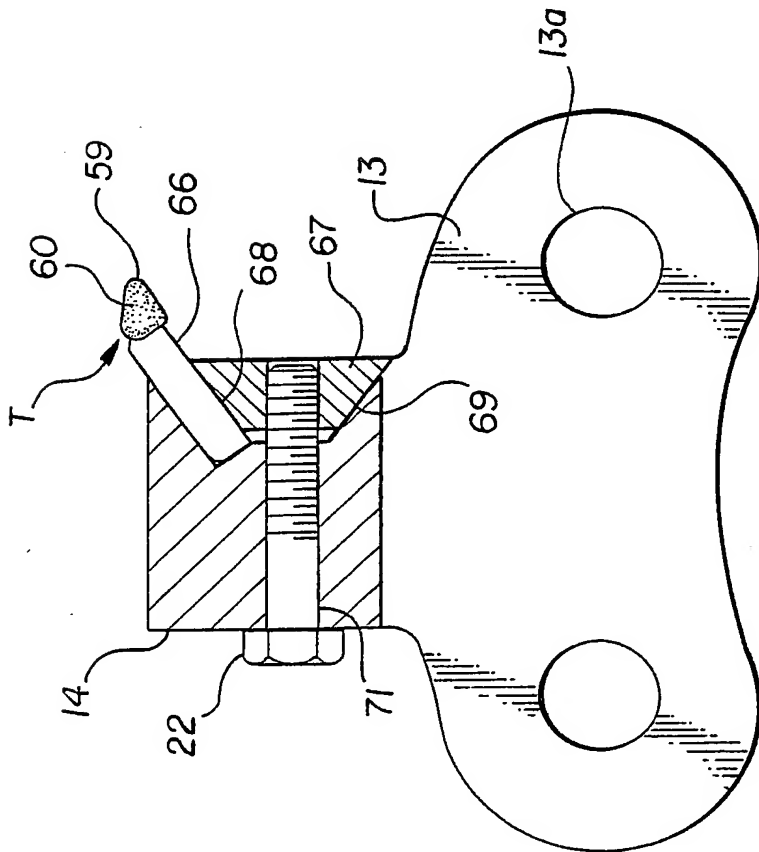


FIG-28

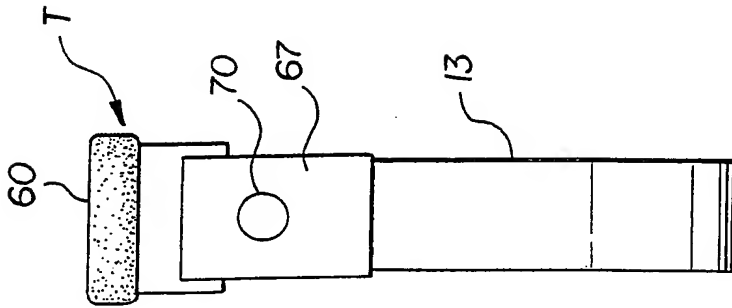


FIG-30

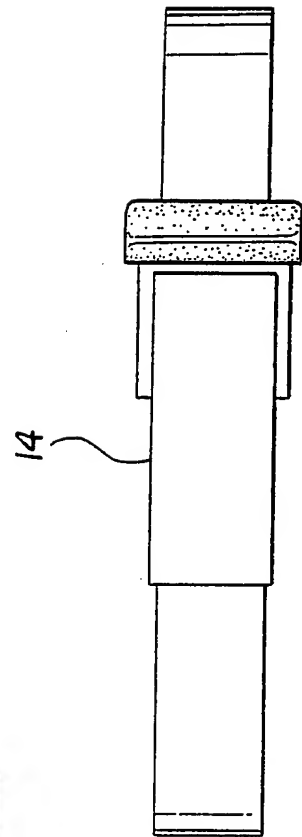
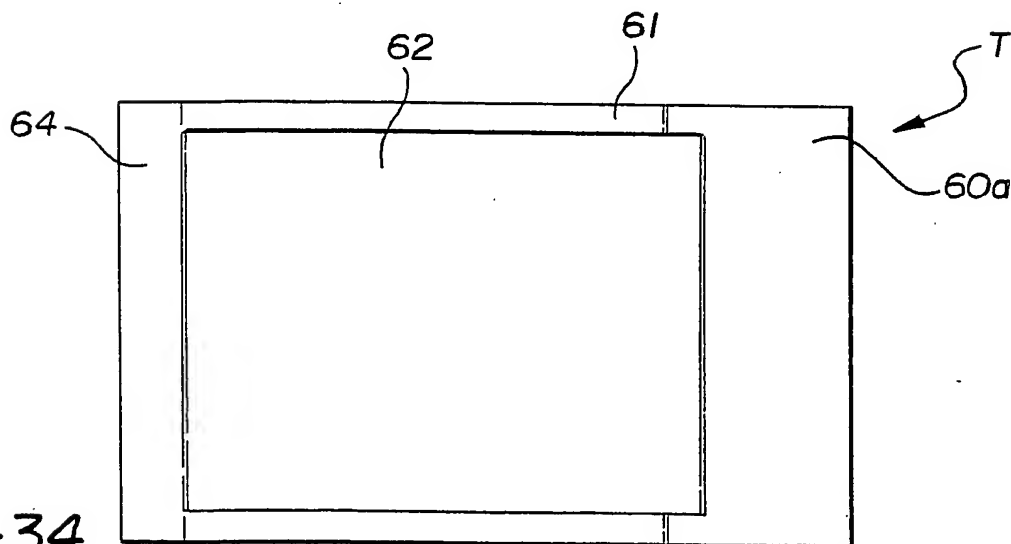
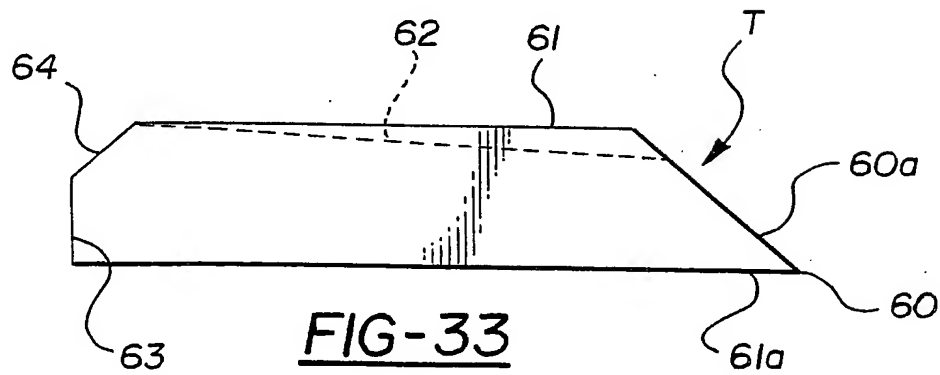
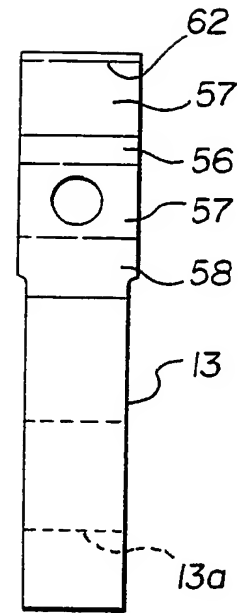
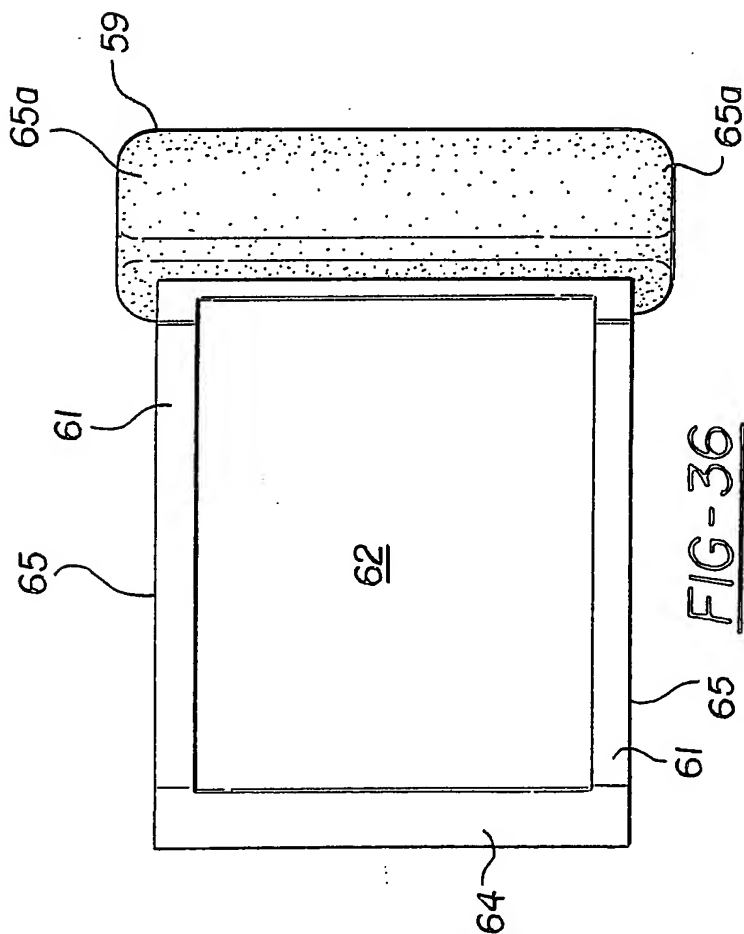
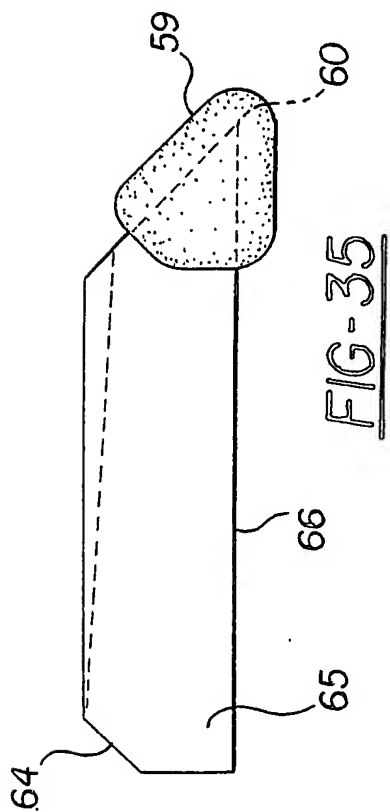
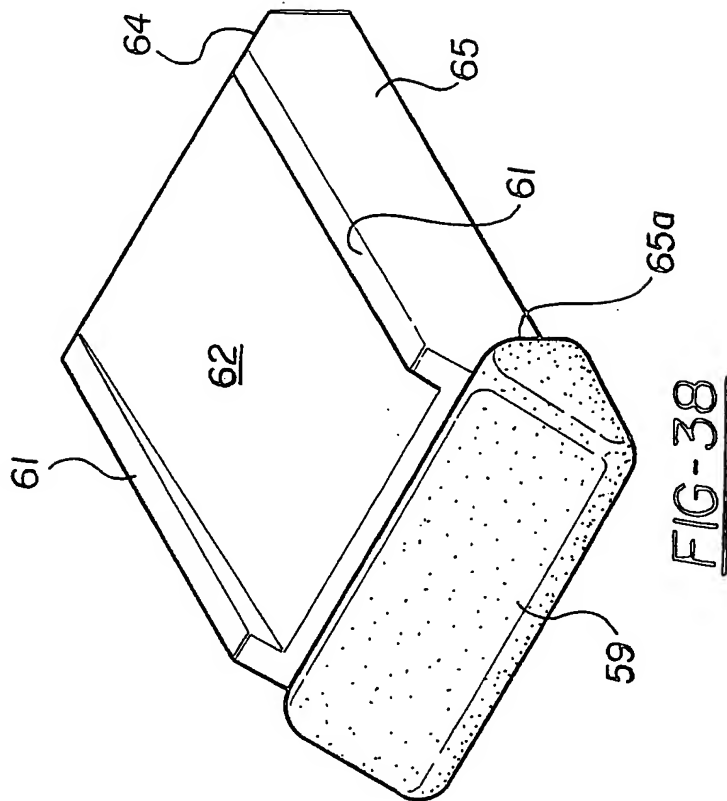
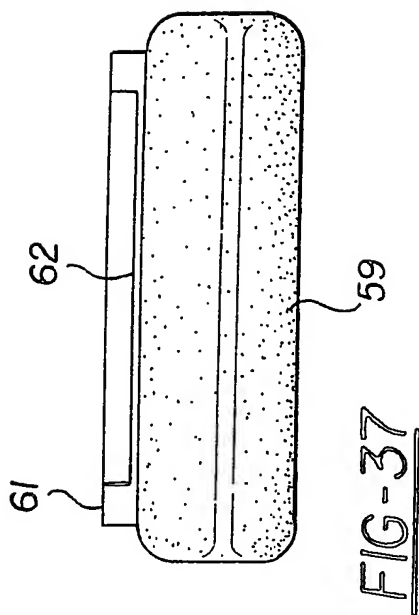


FIG-29

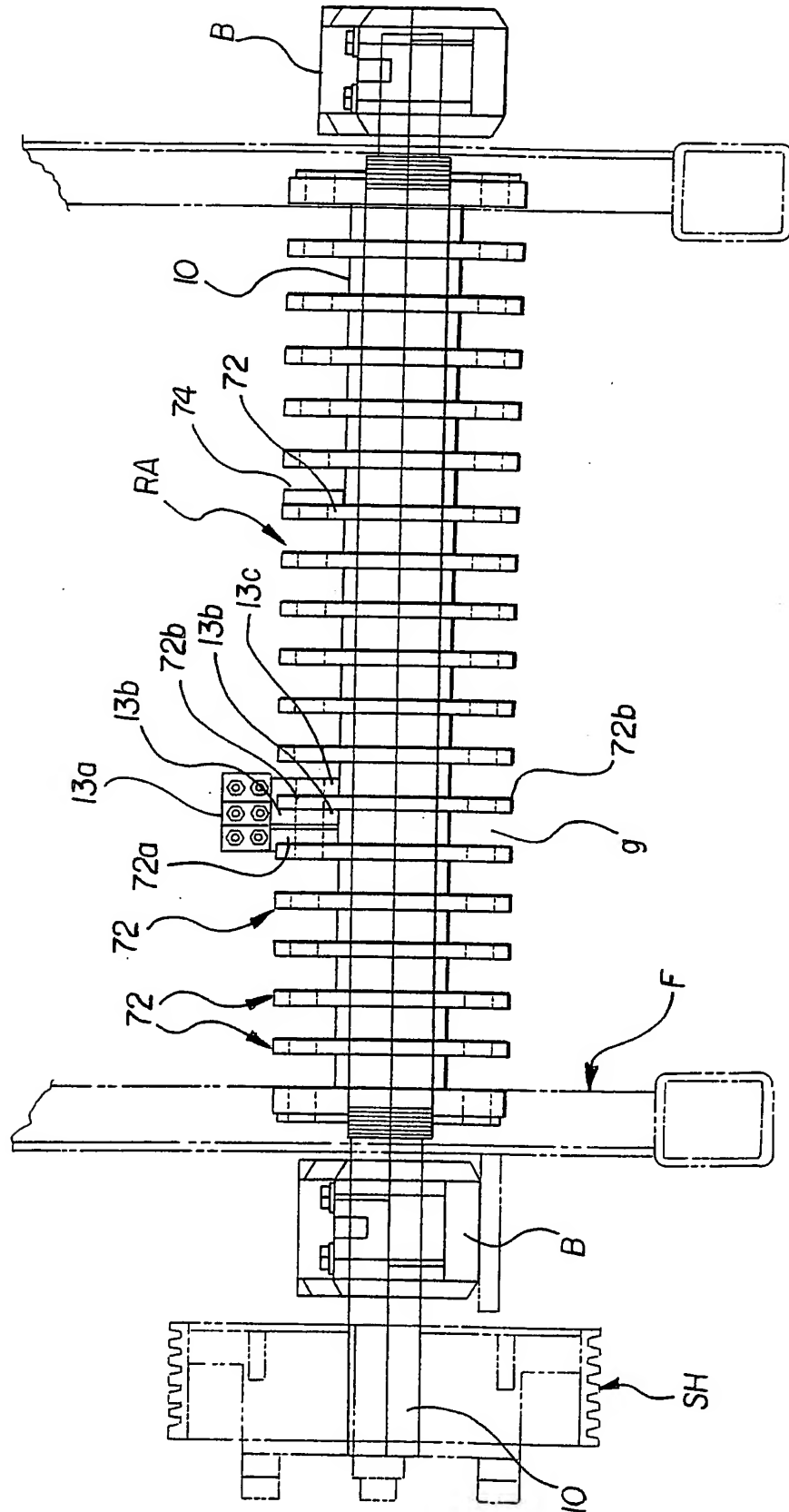


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FIG-39



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FIG. 1 is a top-down view of a circular mechanical component, likely a turbine or compressor disk. The component features a central hub with radial vanes, a series of circular holes around the periphery, and a central shaft. The component is labeled with various reference numerals: 10, 13, 14, 15, 16b, 19, 20, 35, 41, 44, 45, 72, and R. A dashed line indicates a radial section line rl. A coordinate system with x and y axes is shown at the top right.

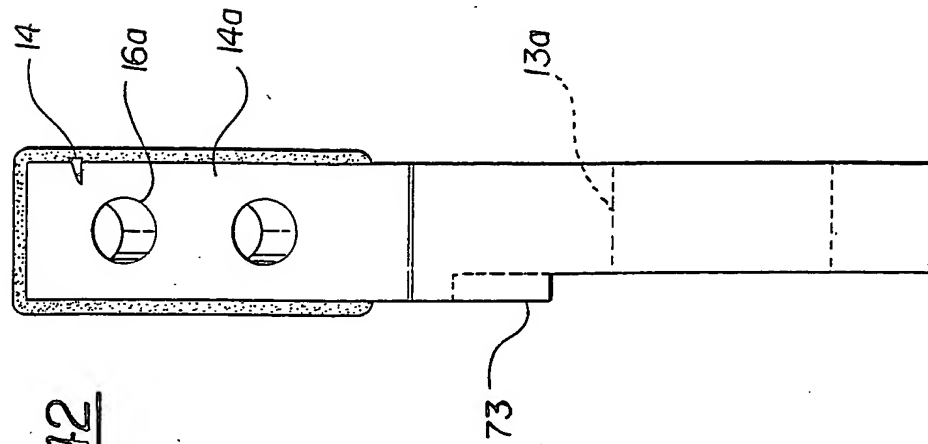
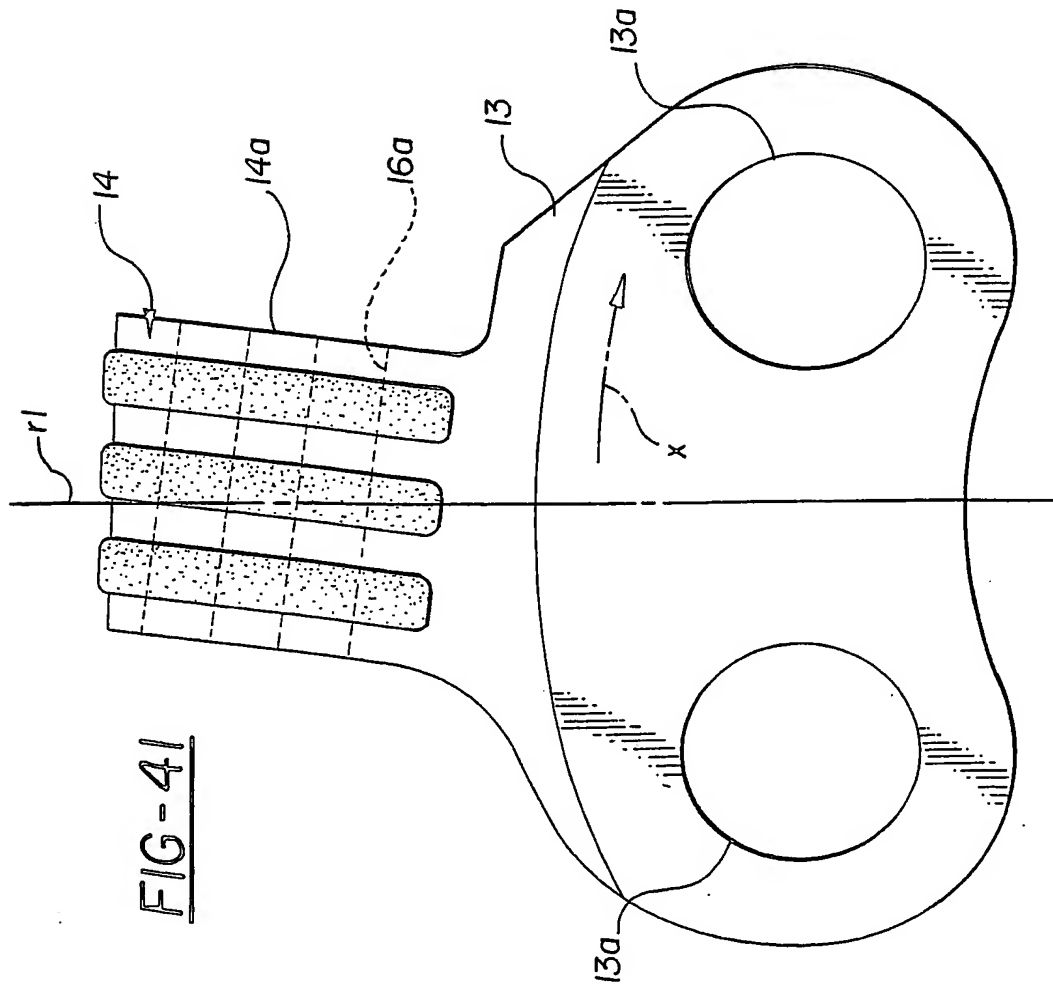


FIG-44

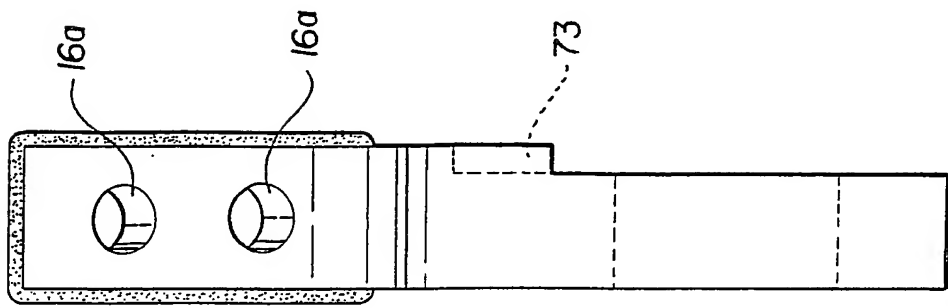
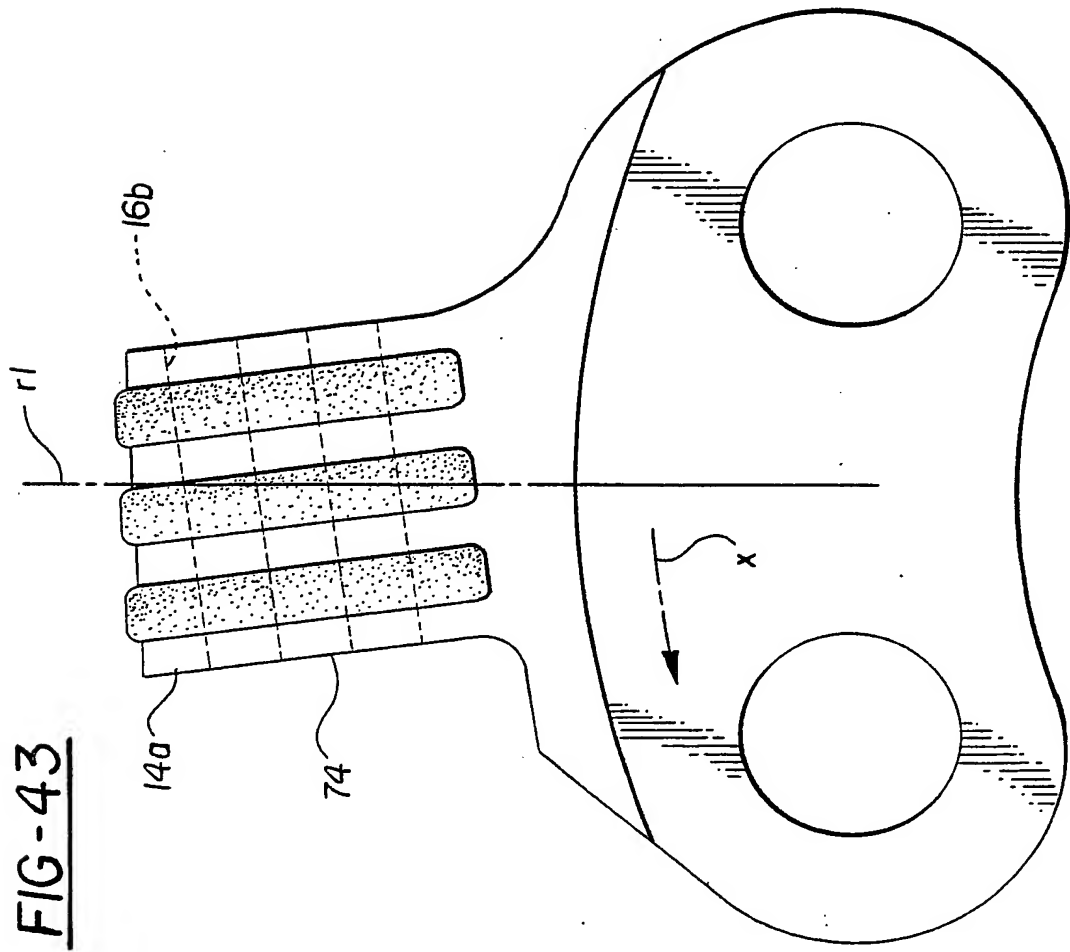


FIG-43



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 ROTOR ASSEMBLY, etc.
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FIG-45

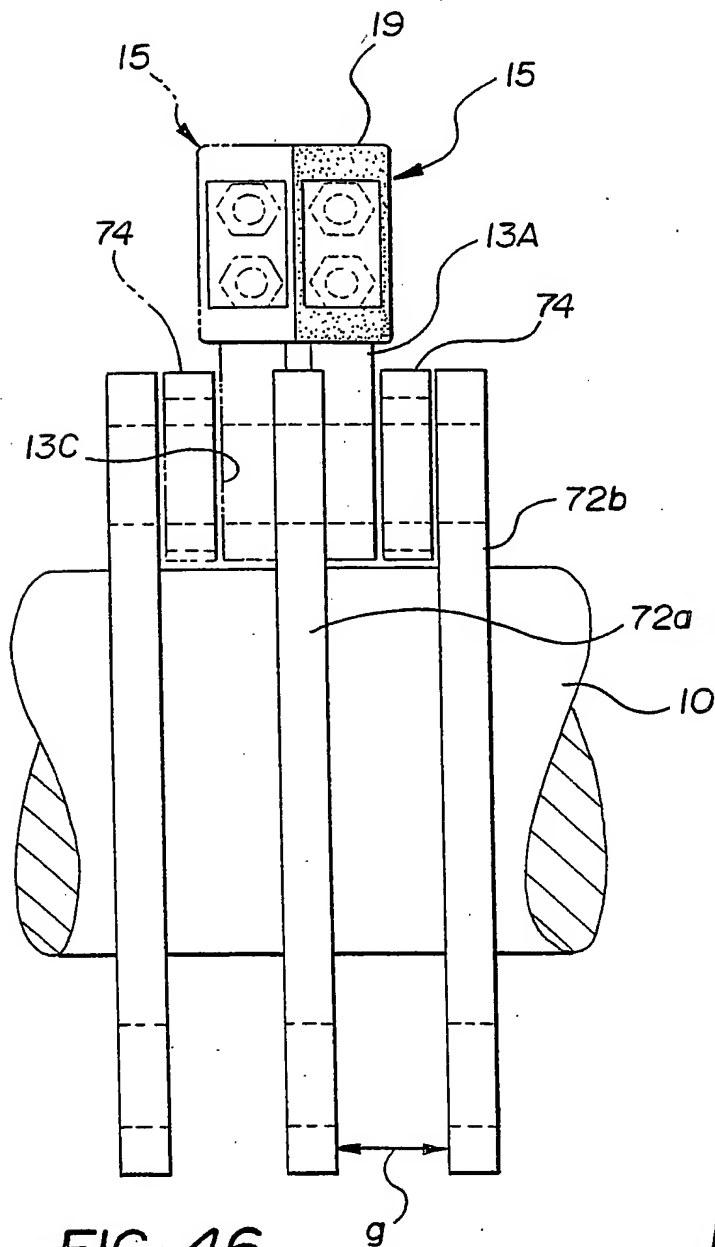
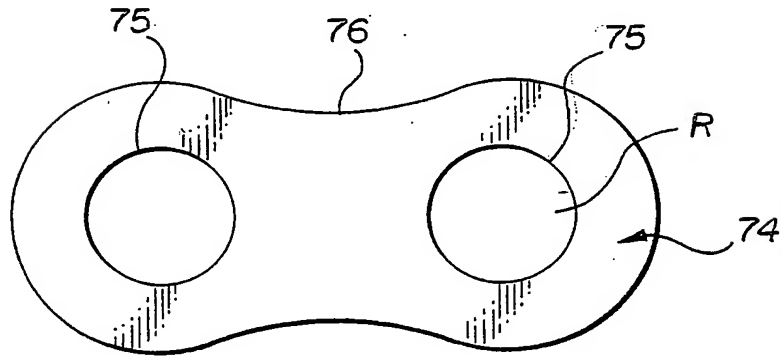


FIG-46

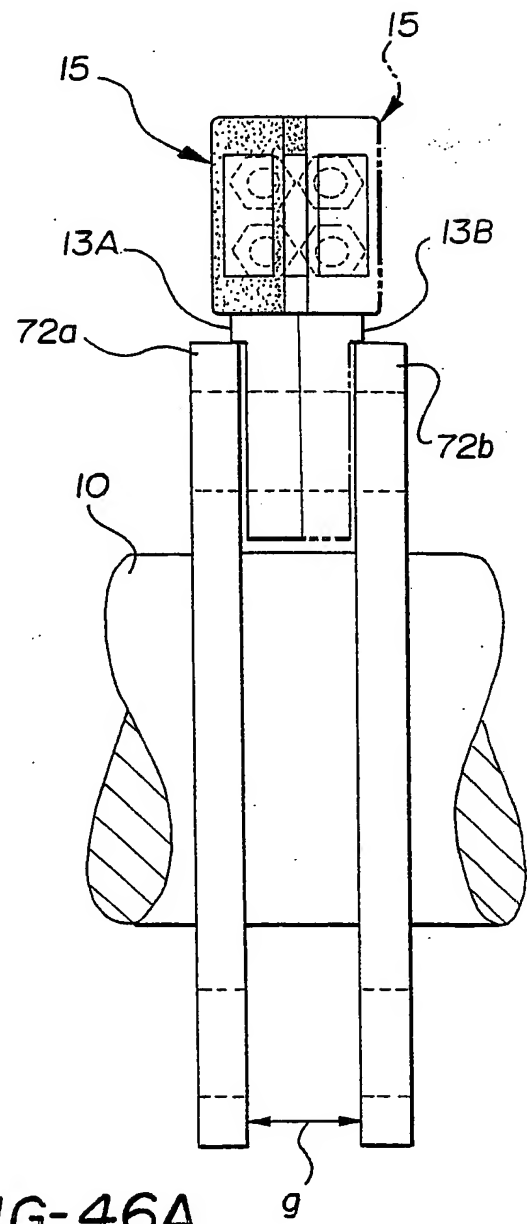
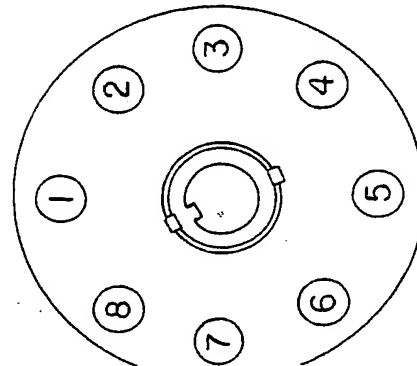


FIG-46A

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FIG-47



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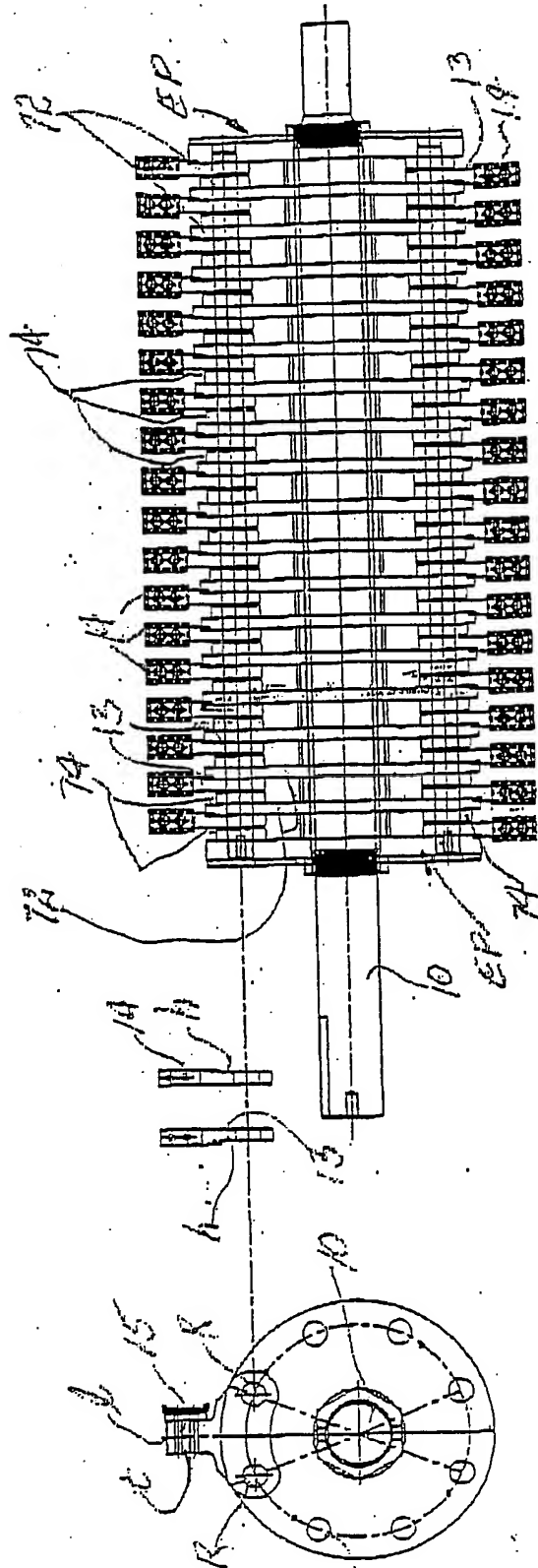


FIG-48

FIG-49

IMPROVED REDUCING MACHINE
ROTOR ASSEMBLY, etc.
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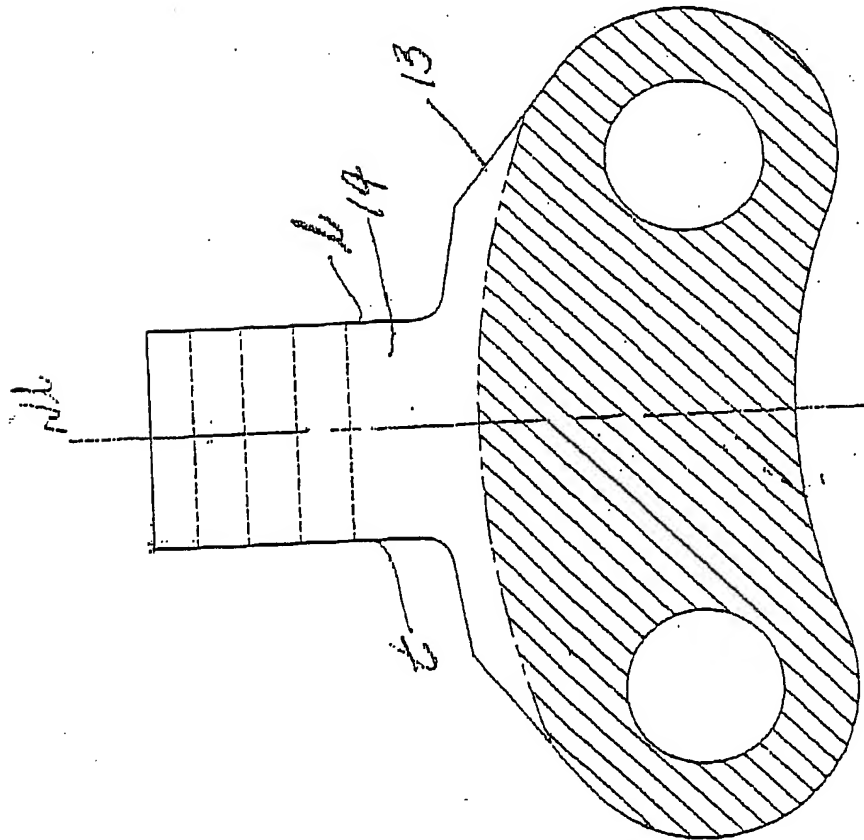


FIG-50

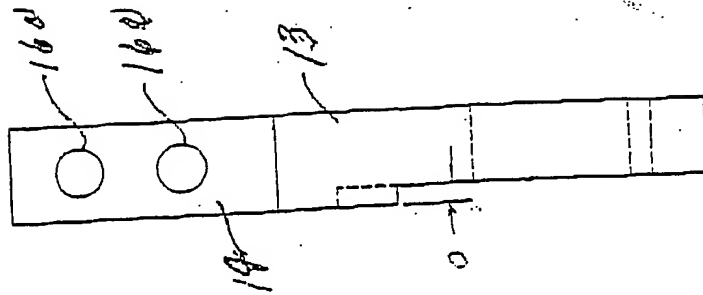


FIG-51